

ASSEMBLY AND METHOD FOR CONTAINING, RECEIVING AND
STORING FLUIDS AND FOR DISPENSING GAS FROM A FLUID CONTROL
AND GAS DELIVERY ASSEMBLY HAVING AN INTEGRATED FLUID FLOW
RESTRICTOR

ABSTRACT OF THE DISCLOSURE

A fluid control and gas delivery assembly and method for containing, receiving and storing hazardous fluids and for dispensing gas comprising a container, a fluid fill path, a gas dispensing path, a first shut-off valve, a pressure reducer, a fluid flow restrictor, a second shut-off valve and a fluid outlet connector. The first shut-off valve is positioned in said gas dispensing path upstream of a pressure reducer. A fluid flow restrictor downstream of the pressure reducer has a fluid flow restriction path configured to restrict the flow of the fluid delivered to the fluid flow restrictor at the delivery pressure to a maximum mass flow rate that is equal to or less than the allowable mass flow rate standard for the hazardous fluid. The second shut-off valve is positioned in said gas dispensing path downstream of said pressure reducer.